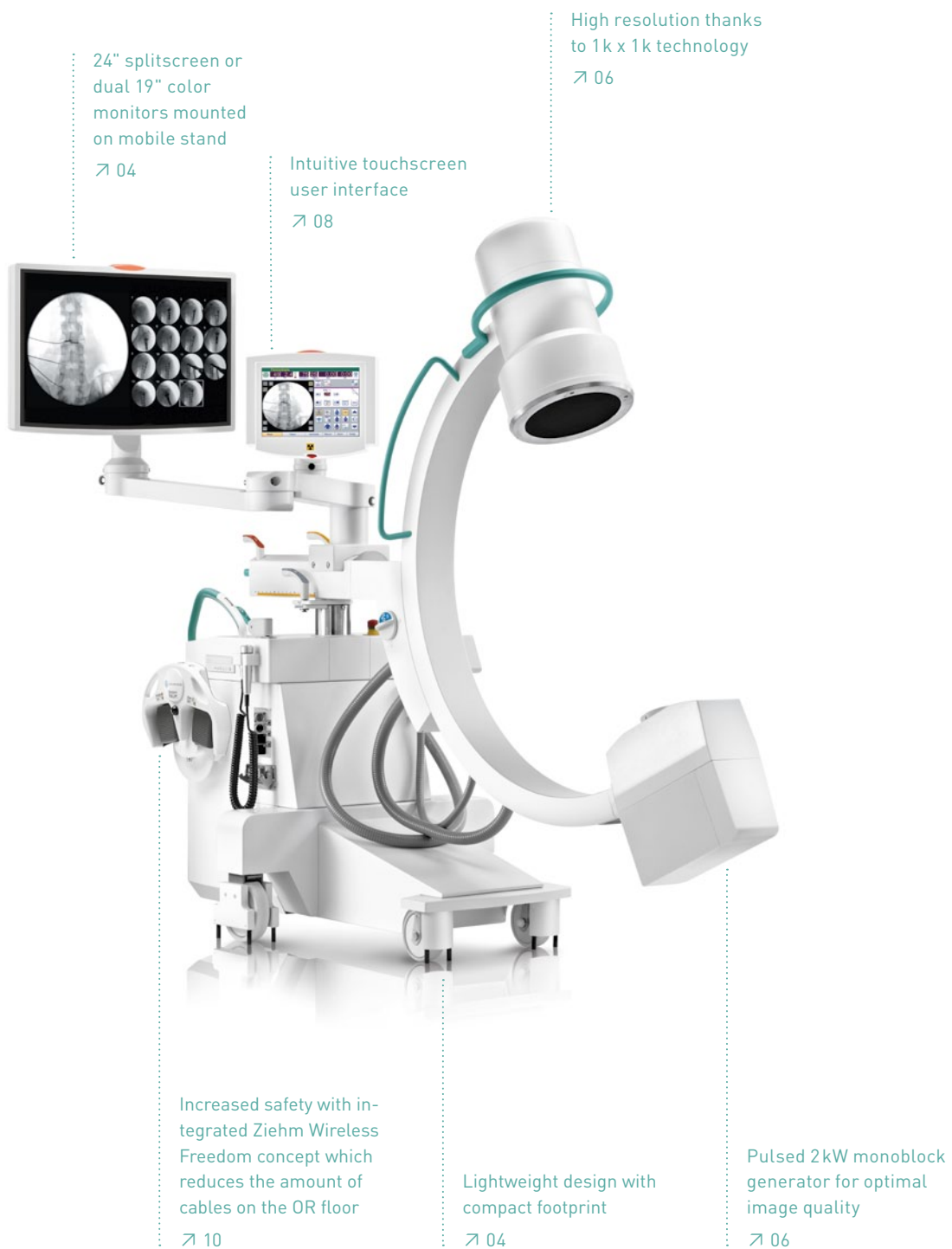




Ziehm Solo
Superb imaging meets
versatile design



Ziehm Solo. Big things come in small packages. As hospital and surgery center ORs shrink and equipment density rises, demand for imaging systems with smaller footprints is growing. With its all-in-one design, Ziehm Solo is one of the most compact and versatile C-arms for crowded treatment scenarios. Equipped with state-of-the-art imaging technology, this C-arm delivers great performance for orthopedics, traumatology, pain management and other applications. Versatile viewing options enable you to configure the unit according to your needs and local conditions. All this at a competitive price.

01 / Versatile solution for small operating rooms.

Configurable to fit your needs.

→ Compact design

Ziehm Solo is one of the smallest C-arms on the market. As standard, Ziehm Solo comes with a rotating 24" splitscreen monitor mounted on the C-arm, eliminating the need for a separate monitor cart. All functions required for image capturing, processing and archiving are integrated in the C-arm. Its compact design and easy-drive system make Ziehm Solo ideal for even the smallest ORs. As with all Ziehm Imaging C-arms, all movements are fully counterbalanced in every position, making the unit extremely convenient to use.

→ Flexible configurations

As an option, Ziehm Solo can be easily supplemented with an extra viewing station or with ceiling-mounted monitors. The Ziehm Viewing Station provides enhanced flexibility during interventions and features an additional synchronized Solo Center user interface. This allows you to conveniently operate the system from the Ziehm Viewing Station and C-arm. The optional ceiling-mounted monitors can be attached to existing ceiling support arms, giving you additional viewing options while saving space in the OR.

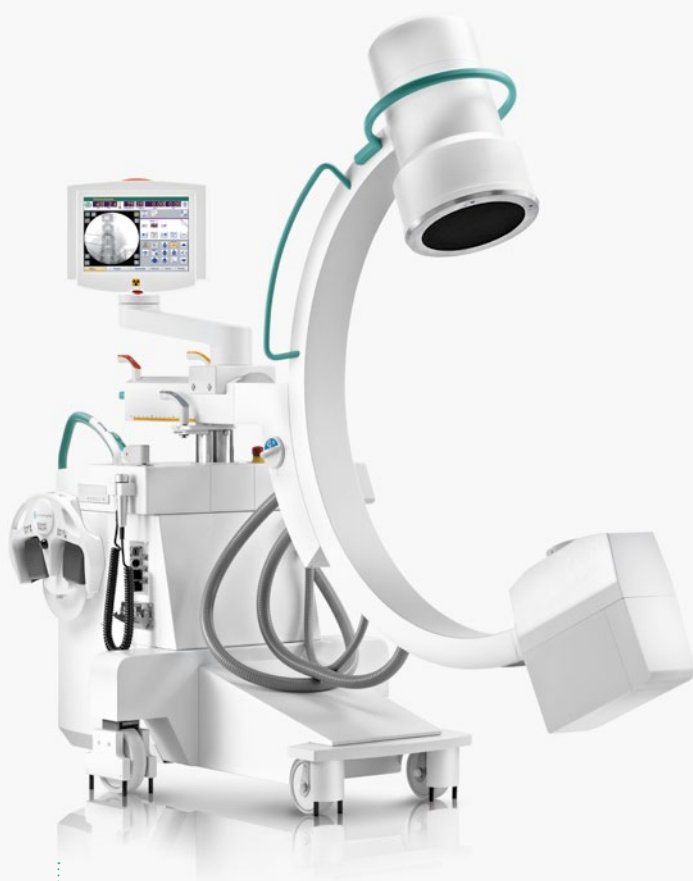
You are also free to combine the various configuration options as needed.



Configuration 1:

Flatscreen directly mounted on C-arm

Most compact configuration of Ziehm Solo with a high-resolution 24" splitscreen monitor or alternatively dual 19" flatscreen monitors.



The integrated monitor is not required if the mobile stand is used with the Ziehm Viewing Station or ceiling-mounted monitors.



A 24" landscape splitscreen monitor or dual 19" monitors can be attached to existing wall or ceiling support arms to increase flexibility and save OR space. (Ceiling support arm is not provided by Ziehm Imaging)

Configuration 2:

Ziehm Solo with Ziehm Viewing Station

The C-arm can be easily supplemented with an extra Viewing Station featuring a 24" landscape splitscreen monitor or dual 19" flatscreen monitors. The Ziehm Viewing Station is freely combinable with different Ziehm Solo systems and further Ziehm Viewing Stations.



The system can be freely positioned as the Ziehm Viewing Station and C-arm interfaces are synchronized.

Configuration 3:

Ziehm Solo with wall- or ceiling-mounted monitors

This space-saving configuration maximizes available space in the OR.

02/ Best image quality. Minimized dose.

For a wide variety of applications.

→ High-resolution imaging

Ziehm Solo comes with a highly compact monoblock generator. It generates short, sharp pulses with up to 25 frames per second, producing crystal-clear images even if the patient is moving. This intelligent pulse technology also reduces dose levels. The high-dynamic CCD camera is a key component in the imaging chain. With 1 k x 1 k resolution and more than 4,000 shades of gray, it helps to visualize even the smallest anatomical structures.

→ Contrast-rich visualization

Ziehm Solo offers a variety of contrast-rich displays with high brightness and contrast. Even from a distance, the high-end monitors provide the physician with optimal insights by visualizing the finest details – from any angle.

→ Automatic adjustment

Ziehm Solo is also equipped with Object Detected Dose Control (ODDC). This function adapts all settings to the patient's anatomy. Thanks to 256 measurement cells, it automatically detects the object's position in the whole field of view and adjusts the system accordingly to always



get a crystal-clear image – even if the object is not centered. It also dynamically adjusts generator output and video levels to the patient's anatomy by detecting motion and any metallic devices placed in the region of interest. Both patients and OR staff benefit from fast, superb-quality imaging and minimized dose levels.

→ Comprehensive concept for dose reduction

Ziehm Imaging has incorporated SmartDose in the current generation of mobile C-arms. This comprehensive concept for dose reduction allows the physician and staff to significantly reduce dose while optimizing image quality. SmartDose benefits both patients and staff alike. With significant savings Ziehm Imaging sets the standard in user-friendly adjustment of dose exposure.



SmartDose

Best image quality. Minimized dose.

1

Positioning with laser light
integrated and remotely
operable

2

Correct selection
of anatomical program
anatomically adjusted
and dose-optimized

3

Low dose mode
for all anatomical
programs

4

Reduction of pulse
frequency manually
or automatically

5

Exposure-free display
with virtual collimators

6

Automatic motion
and position detection
with ODDC

7

Automatic LPK:
automatic adjustment
for obese patients with
no additional dose
increase

8

PreMag for
exposure-free
magnification

03 / New dimension in user-friendliness.

Tailored support for clinical workflows with new levels of intuitive guidance.

→ Intuitive workflow

Ziehm Solo offers an intelligent workflow that makes operating the C-arm easy and intuitive. You will benefit from synchronized touchscreens featuring clear and easy-to-follow icons. Ziehm SmartEye technology mirrors the monitor image on the touchscreen, giving the operator a live image to keep track of orientation and object position. From a shortlist of anatomical programs, the operator simply selects the desired option, and Ziehm Solo automatically adjusts the system performance to the region of interest, always ensuring the best image quality and lowest dose levels.

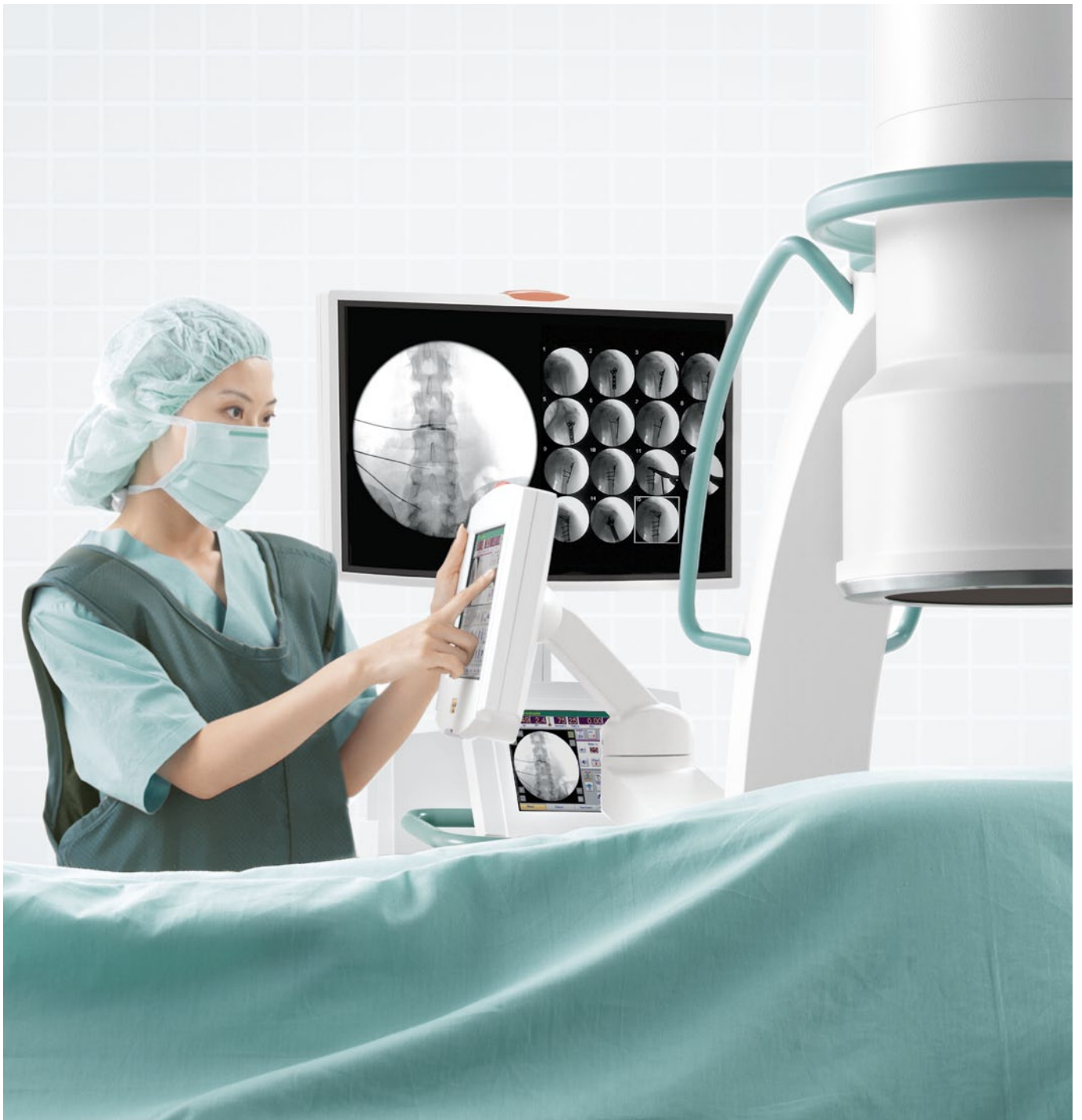
→ Seamless integration

The open interface, Ziehm NetPort, enables easy integration into existing IT networks. X-rays saved in DICOM 3.0 format are transferred to the PACS, and patient data can be exchanged with HIS/RIS. Data can be retrieved from the monitor cart at any time. It can also be backed up to DVD or USB stick and printed on transparencies or paper.

→ Fit for the future

The Solo Center is a touchscreen with an open, modular software architecture, ensuring maximum flexibility. This interface can be easily upgraded and expanded with additional software modules without the need for hardware changes.

Features			
Footprint	0.8 m ²	Ziehm Viewing Station	optional
C-arm opening	76 cm	Monitors for existing ceiling support arms	optional
1 k x 1 k technology	•	DICOM 3.0	optional
Touchscreen user interface	•	Interface to 2D navigation systems	optional
Pulsed monoblock generator with 25 pulses/s	•	Printer / DVD	optional
Ziehm SmartEye with SmartControl	•	Cineloop / DSA	optional
SmartArchive	•	Wireless features	optional
Anatomical Marking Tool (AMT)	optional	(WLAN, Wireless Video, Wireless Footswitch)	



04 / Maximize your uptime. Make sure to get the best service for your daily business.



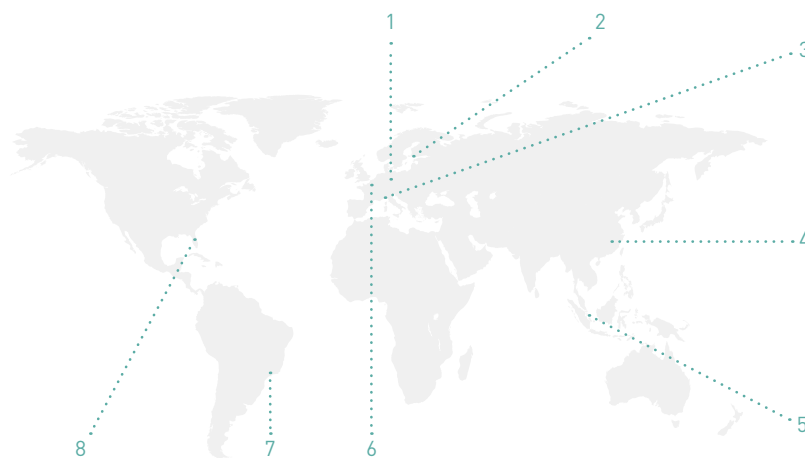
Rely on Ziehm Imaging for flexible and fast service to stay at the cutting edge of technology. Tailored service packages, remote service, and individual upgrade paths keep you competitive in your daily hospital routine.

→ Ziehm Service Packages

With tailored service packages we offer you peace of mind and financial security, making yearly costs, including spare parts and traveling costs, more predictable.

→ Ziehm Remote Service

Regardless of your needs, our experts are on hand. Ziehm Remote Service delivers faster and easier troubleshooting for your system. Thanks to our worldwide network of service centers, you can always rely on Ziehm Imaging for flexible and solution-oriented service.



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